Service Supplement

Upgrade Key Instructions for Series 50 Fetal Monitors

Introduction

This supplement describes how to use the upgrade key for the Series 50 Fetal Monitors to add option C02 to the M1351/53A, and options C01 and C02 to the M1350A/B/C.

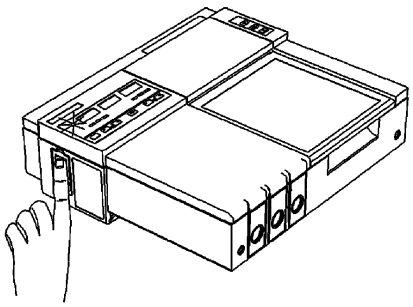
For details of software upgrades for the M1351/53A, refer to the *Instructions for Use*, and for the M1350A/B/C, refer to the *Service Guide*.

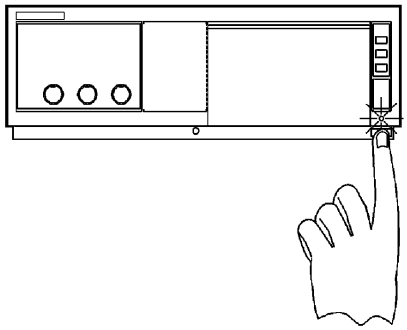
Upgrade Procedure

1 Disconnect all transducers (and telemetry) from the monitor.

2 Load the battery into the upgrade key if you have not already done so.

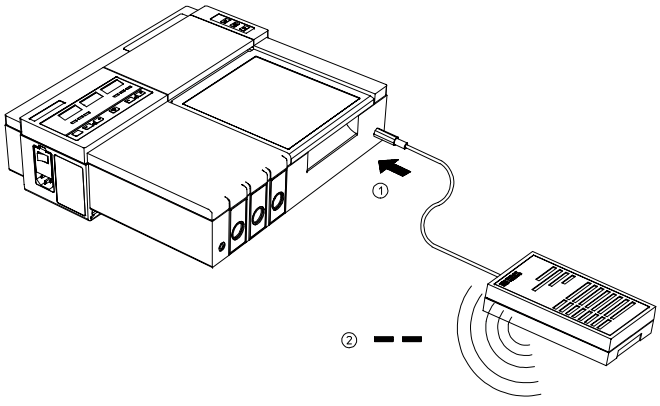
3 Switch on the monitor.

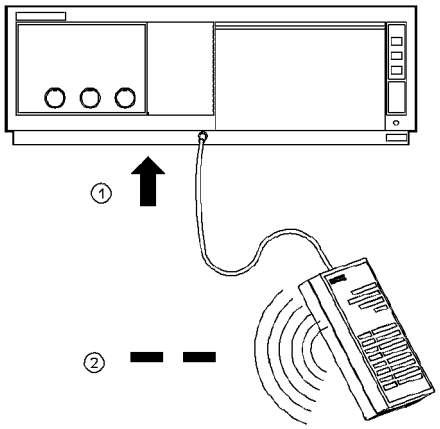




4 Plug the upgrade key into the service socket on your monitor (to the right of the recorder for the M1351/53A, and towards the center of the monitor for the M1350A/B/C). If applicable, first remove the little plastic cap on the service socket.

The “start upgrade” tone sounds (two short beeps) when the upgrade begins.





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4512 610 03501

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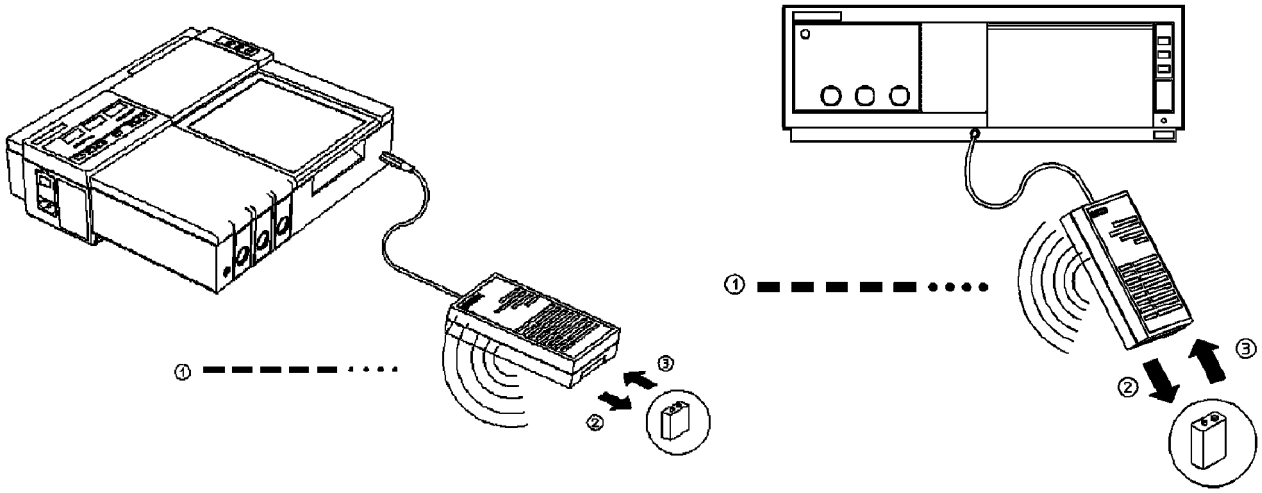
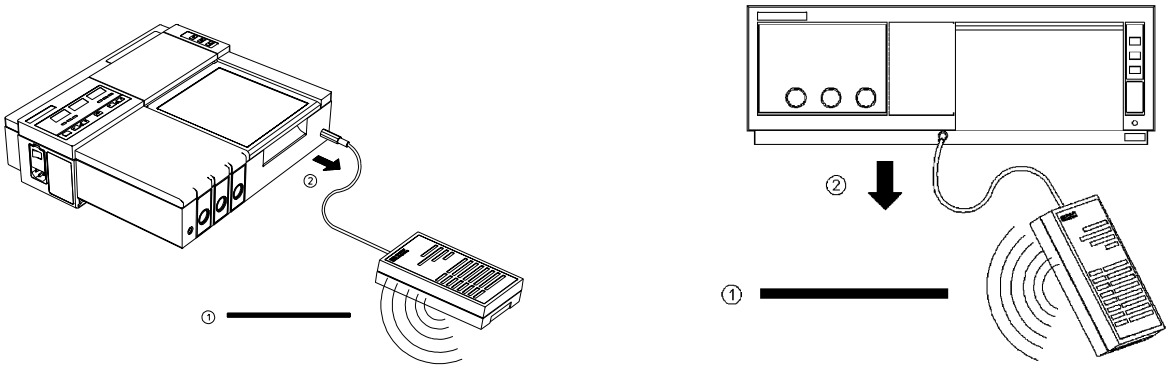
If no tone is heard or you hear the “upgrade failed” tone (a series of short beeps lasting two seconds), it may be because the features are already installed or the battery in the key is low. Check to see if there is a feature label on the front of the monitor. If there is no label, disconnect the key, replace the battery, and repeat the step.

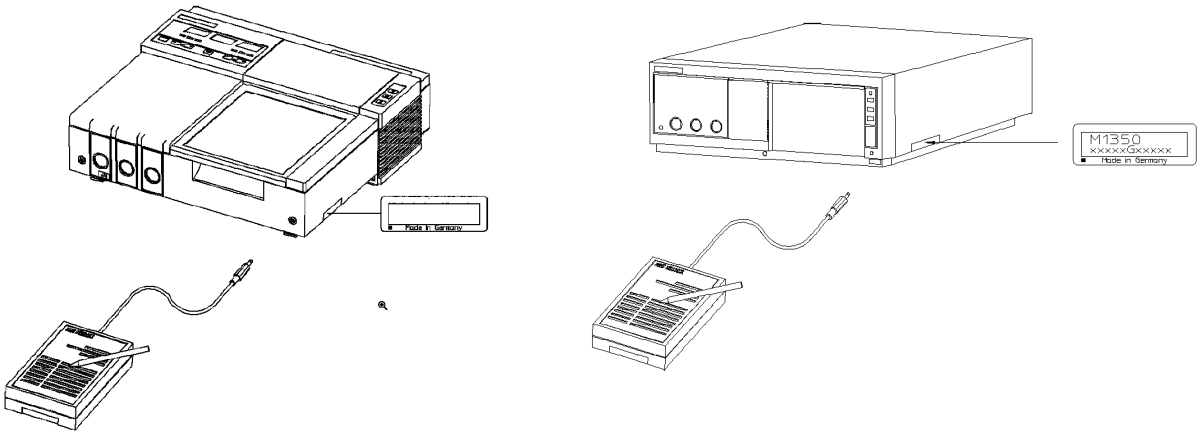


5 At the end of the procedure, you will hear the “upgrade successful” tone (a continuous beep lasting two seconds).



6 Unplug the upgrade key from the monitor.

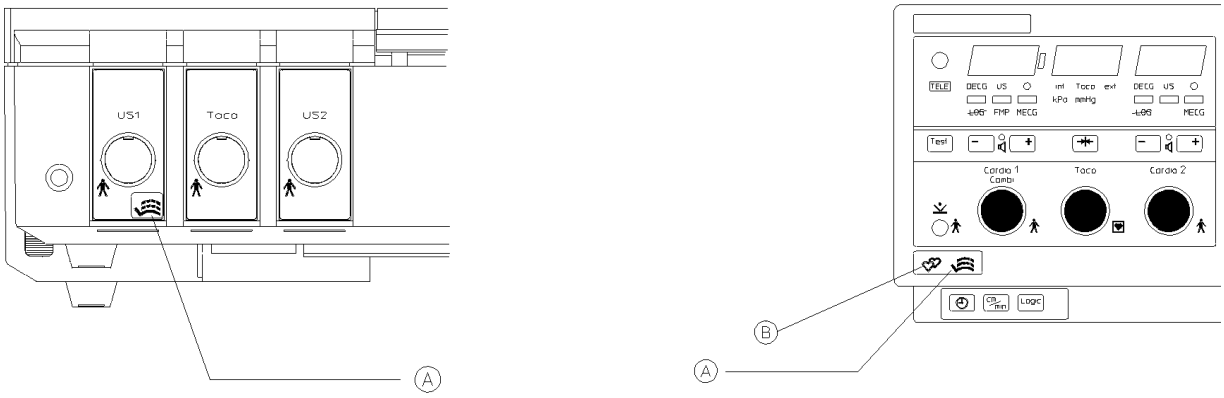
7 Note down the product and serial number of the upgraded monitor so that you can keep a record of the monitors that have been upgraded.



8 Stick the feature label to the front of the monitor, as in the example below:

A: Fetal Movement Profile

B: Dual Ultrasound



9 Switch the monitor off then on: it will perform the power-on self-test. If an error message is displayed, contact Philips Support.

Perform performance assurance tests as described in the monitor's *Service Guide* and *Instructions for Use*.

Repeat steps 1 to 9 for each monitor to be upgraded.

When the upgrade key has performed as many upgrades as it was programmed to perform, return it to Philips for recycling. Please contact your nearest Philips Service Center for details.

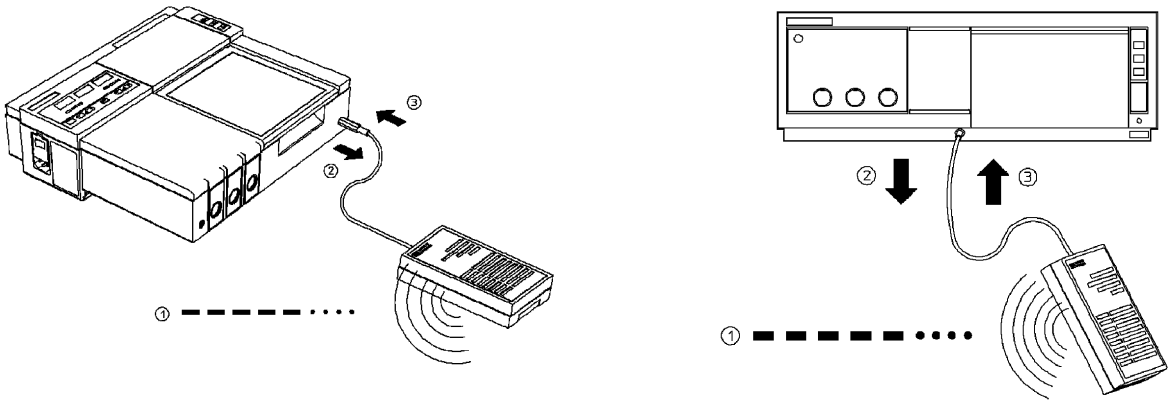
If the Upgrade Fails

1 If you do not hear the "start upgrade" tone or you hear the "upgrade failed" tone (a series of short beeps lasting 2 seconds), there may be several reasons:

–The battery in the upgrade key may be low. Replace the battery.

–You may already have carried out upgrades for the maximum number of monitors. The upgrade key is programmed to perform the number of upgrades ordered, to a maximum of 8.

If you hear the upgrade failed tone, (a series of short beeps lasting 2 seconds), disconnect the upgrade key and try again from step 4 above.



If the upgrade still fails, carry out the quick test described in the monitor's *Service Guide*. If the response is not the same as that described in the manual, contact Philips Support Service.

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